



Forest Insect & Disease Management

Report No. 80-3-35

Issued on: 8-4-80

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, DAVY CROCKETT NATIONAL FOREST, TEXAS

LAND OWNERSHIP OR SURVEY AREA: ~~Davy Crockett National Forest~~
Neches Ranger District

STATE: ~~Texas~~

AREA WITHIN SURVEY BOUNDARY: 208,000 acres

DATE: July 30, 1980

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 182

CREW: E.T. Wilson, T. Russell

REPORT PREPARED BY: E.T. Wilson

SURVEY OBJECTIVES

To detect the presence of forest insect and/or disease activity adversely affecting the timber resources of the survey area.

SURVEY RESULTS

A total of 34 spots containing 185 dead and dying trees were detected. The pine mortality on the Neches Ranger District is suspected to be caused by the southern pine beetle. The attached map indicates the approximate size and location of suspected southern pine beetle infestations.

CONCLUSIONS

The occurrence of suspected southern pine beetle infestations has increased since the April, 1980 aerial detection survey was flown. A ground check will be conducted by personnel from the Alexandria Field Office to determine the causal agent and to evaluate the outbreak potential of the infestation.

For additional information, contact:

USDA Forest Service FIDM
3620 Interstate 85, N.E. or
Northgate Office Park, Rm. 2103
Doraville, GA 30340
Telephone: 404/221-4796

USDA Forest Service FIDM
2500 Shreveport Highway
Pineville, LA 71360
Telephone: 318/473/7280

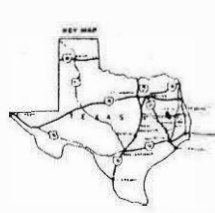
**SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
USDA FOREST SERVICE, ATLANTA, GA 30309**

Table I: Summary of Aerial Survey Data, Davy Crockett National Forest, Neches Ranger District, Texas, July 30, 1980

Ownership		Infestation Size (# Trees)									
		1 - 10		11 - 25		26 - 50		51 - 100		100+	
		Spots:Trees		Spots:Trees		Spots:Trees		Spots:Trees		Spots:Trees	
		30	118	4	67	0	0	0	0	0	0

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
DAVY CROCKETT NATIONAL FOREST
TEXAS
1968

- LEGEND**
- | | |
|--------------------------------------|-----------------------------------|
| — National Forest Boundary | • Forest Service Station |
| — County Road (Numbered) | — Private Road or Other Road |
| — Air Route or Private Airfield Road | — Chain |
| — State Road | — Trail |
| — Private Road | — Water Supply or Irrigation Pipe |
| — Pipeline Right-of-Way | — Cemetery |
| — Power Line | — National Forest Land |
| — Railroad | — Swamp |
| — Interstate Highway | — U.S. Highway |
| — Private Land | — State Land |
| — Private Land (County Survey) | — Farm in National Forest |
| — Private Land (County Survey) | — Town Site |
| — Private Land (County Survey) | — Class A Contour |
| — Private Land (County Survey) | — Contour |



AERIAL SURVEY
JULY 1960

① Location of southern pine beetle spot with estimated number of infested trees

Forest Service Map Class 2
Compiled in the Regional Office, Atlantic City, New Jersey
in 1968 from U.S. Forest Service Publications, Service Maps, and U.S. Geological Survey Maps